





Soc Virnyl Estela

Backend Engineer | Technical Writer | Open Source Developer and Member @ [openSUSE](#) | Rust • Go • TypeScript • Javascript • Python (FastAPI) • AWS

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Backend engineer with experience in Rust, Go, and AWS, building high-performance services and developer tooling. My background in technical writing and teaching strengthens my ability to design clear APIs, write maintainable systems, and produce high-quality documentation. Open-source contributor and maintainer with a strong focus on performance, automation, and CI/CD.

Technical Skills

Programming Languages: Rust, Go, Python, TypeScript, Bash
Backend & APIs: FastAPI, ExpressJS, Hono, NodeJS, Postgres, Sqlite, Redis
Web: React, Redux Toolkit, NextJS, Vite, wagmi, Node, Deno
DevOps & Tooling: Docker, AWS, GitHub Actions, CI/CD, Linux
Documentation and Writing Tools: Markdown, Typst


Professional and Work Experience

Software Developer (Git, GitHub, CI/CD, Python, Rust, Golang, AWS) Block Liquidity —  United Kingdom —  <https://blockliquidity.xyz>

 October 2025 - January 2026

- Built multiple services and modules to process **1000+ data streams per second** for a notification system using Rust ensuring that users receive accurate real-time notifications.
- Sped up slow SQL queries from minutes down to milliseconds** for a Postgres database by using native types and best practices when rewriting SQL ensuring data is loaded fast in the platform.
- Built an API in Postgres, Redis and Rust manage alerts, increasing and simplifying the overall process with **80% increase in response times due to faster data (de)serialisation** increasing speed, flexibility and maintainability.

Technical Content Developer (Git, GitHub, Rust, React, Deno, NodeJS, Hono, Solidity, Web3) TRIBE —  Singapore —  <https://tribex.co>


 Mar 2024 - June 2025

Boosted number of learners, from **300 to 1000+** on the [StackUp platform](#) through tutorials on key technologies (**React, Node.js, Rust, Deno**), and as a mentor and community member.

- [Rust Pathway](#): a series of **Rust** tutorials and campaigns
- [Fuel Up Your API Development with Hono and Deno](#): a introductory tutorial for backend development and authentication using **Hono** and **Deno**.
- [The Deno Learning Modules](#): A series of tutorials using **Deno** as the Javascript runtime for web development.
- [Learn authentication and authorisation with ExpressJS](#): a introductory tutorial for backend development using **Node.js** and **ExpressJS**.
- [StackUp Forums](#): a microblogging project using blockchain to store posts and comments with **Solidity, React, viem, wagmi, foundry**, and **Typescript**.

Open Source Experience


Core Developer/Maintainer OBS Service Cargo —  <https://github.com/openSUSE-Rust/obs-service-cargo>

 2022 - present

Automation tool for **Rust software packaging** written in **Rust** with **100% test coverage**.


- The **ONLY** tool for <https://build.opensuse.org> to **automate packaging** of **Rust** software in openSUSE.


Core Developer/Maintainer Roast —  <https://github.com/openSUSE-Rust/roast>

 2024 - present

Archiving tool written in **Rust** using test-driven development. Supports **GZ, ZSTD, XZ** and **BZ** compression.



- Achieved **70% increase in performance**, shortening the time to create highly compressed archive tarballs.
- Has **100% test coverage** to ensure consistent behaviour such as **deterministic creation of tar archives to conform with Reproducible Builds**.
- Has **Git feature** allowing users to **create tarballs straight from a valid remote Git repository for easier UX**.


Organization Admin/Member Waycrate —  <https://waycrate.github.io>

 2022 - present

A community of open-source enthusiasts and contributors.

- Became a **Mentor Organization for Google Summer of Code**: [Google Summer of Code 2024](#) and [Google Summer of Code 2025](#)
- Inspired** new developers to **participate** and **contribute** to **open-source**.


Member and Volunteer  openSUSE —  <https://opensuse.org>

 2021 - present

A **Linux community** of desktop users, developers and open-source contributors.

- Software Packager** of **100+ software packages** for the openSUSE project: <https://build.opensuse.org/users/uncomfyhalomacro>.
- Software Developer** of openSUSE's Rust packaging tool for [openSUSE Build Service](#) called **OBS Service Cargo**.

Core Developer/Maintainer Bunny —  <https://github.com/uncomfyhalomacro/bunny>


 July 2025

A **markdown parser library and static site generator** written in **Hare**, a systems programming language.

- Won 1st place** with <https://github.com/uncomfyhalomacro/bunny> in the amateur category of [Boot.dev 2025 Hackathon](#).

Education


Programmer/Software Developer (self-taught)

 2020 - present

- Completed** the fundamentals of **backend development** focusing on Golang and Typescript at [Boot.dev](#) as **professional development certification or course**. Progress and certificates at **Boot.dev**: <https://www.boot.dev/u/uncomfyhalomacro>.
 - Skills Learned:** Git, Golang, Data Structures and Algorithms, Python, DevOps, AWS, RabbitMQ, RAG, Linux, AI Agents, Kubernetes, CI/CD with Docker and GitHub Actions (and more at <https://www.boot.dev/u/uncomfyhalomacro>)

BSc. in Biology (Microbiology) — Mindanao State University - Iligan Institute of Technology —  Philippines

 <https://www.msuiit.edu.ph>

 2018 - 2022

Academic Distinction: *Cum Laude* **GPA 1.593**